

Scope 3

Other Indirect GHG emissions



Employee Air Travel

In 2008, Fermilab employees flew **16,216,903** miles.

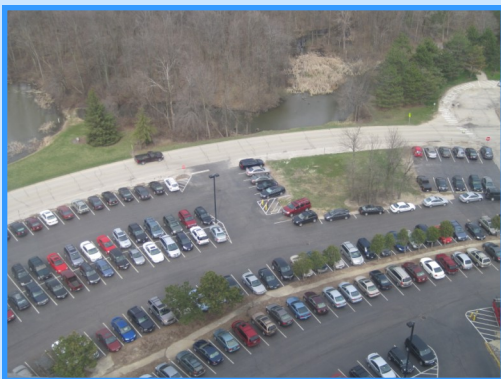
Average Flight Distance—3,941 miles

Round trip to L.A.—3,512 miles

—>1.1 Tons CO₂e per person

CERN	Chicago, Geneva, Chicago	2.4 Tons CO ₂ e per person
DESY	Chicago, Hamburg, Chicago	2.3 Tons CO ₂ e per person
SLAC	Chicago, San Francisco, Chicago	1.2 Tons CO ₂ e per person
BNL	Chicago, New York, Chicago	0.5 Tons CO ₂ e per person
SRS	Chicago, Savannah, Chicago	0.5 Tons CO ₂ e per person
SNL	Chicago, Albuquerque, Chicago	0.7 Tons CO ₂ e per person

carbonplanet.com



Employee Commuting

According to employee records, in 2008 Fermilab employees lived an average of 14 miles from work.

Assumptions:

- 1,909 employees drive 28 miles a day to/from work
- Each passenger vehicle is rated 22.5 mpg*
- 19.4 lbs CO₂/gallon of gasoline

Fermilab Commuter GHG Emissions:

- **23.186 Tons per work day**

**Based on Bureau of Transportation Statistics 2007 average U.S. passenger vehicle mpg*



Waste Disposal

Emissions associated with waste—transportation, landfill, treatment, etc.